GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
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UNSTARRED QUESTION NO:2707
ANSWERED ON:12.03.2015
NATIONAL INSTITUTE OF HYDROLOGY
Birla Shri Om

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) the details of the research conducted on hydrology by the National Institute of Hydro- logy during the last three years along with the expenditure incurred thereon; and

(b) the details of the achievements made in the above mentioned research along with the action taken by the Government on the result of these researches?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (PROF.SANWAR LAL JAT)

(a) National Institute of Hydrology, Roorkee has been undertaking basic, applied and strategic research, and conducting sponsored and demand driven R& D projects, on various aspects of hydrology and water resources. The Institute has also successfully conducted many capacity building and mass awareness programmes.

The details of the research conducted on hydro- logy and expenditure incurred thereon during the last three years are as under:

I. Thrust Areas of Research and Technical Activities

1. Hydrology of Extremes

2. Regional Hydrology

3. Environmental Hydrology

4. Integrated Water Resources Management (IWRM)

5. Hydrology for Watershed Management

6. R&D for impact of climate change

7. Benchmarking and Technological Up-gradation

8. Capacity Building of NIH Scientist & staff

9. Technology Transfer and Outreach Activities

10. Hydrology Project-II

Component A: Institutional strengthening

Component B: Vertical extension

I. Decision Support System (Planning)

II. Purpose Driven Studies

Component C: Horizontal expansion

II. Expenditure Incurred during last three years

Total about Rs 48.36 crore under two schemes under plan: (i) R&D and (ii)HP-II

(b) The detail of achievement made in above mentio- ned research work is as under:

1. Successfully completed World Bank funded "Hydro- logy Project-II". Developed Decision Support System (P) software for the identified case study basins in 9 States. 11 Purpose Driven Studies were completed to address hydrological problems in the case study basins.

2. Successfully completed European Union funded "SaphPani" Project. Studies were carried out to develop and test the 3 technologies: (i) Managed Aquifer Recharge, (ii) Bank Filtration, and (iii) Constructed wetlands.

3. Studies completed and ongoing: 187

4. Sponsored projects completed and ongoing: 33

5. Publications in reputed journals/books: 237

6. Organized 97 training courses, workshops and brainstorming sessions

7. Organized 56 mass awareness programmes

The scientific studies carried out by Institute provided useful inputs for policy planning and addressing the real life hydrological & water related problems in different parts of the country. The training programmes organised by the Institute helped the capacity building of various stake holders. The mass awareness programmes helped in spreading the important messages about the water conservation & water quality management among the people.